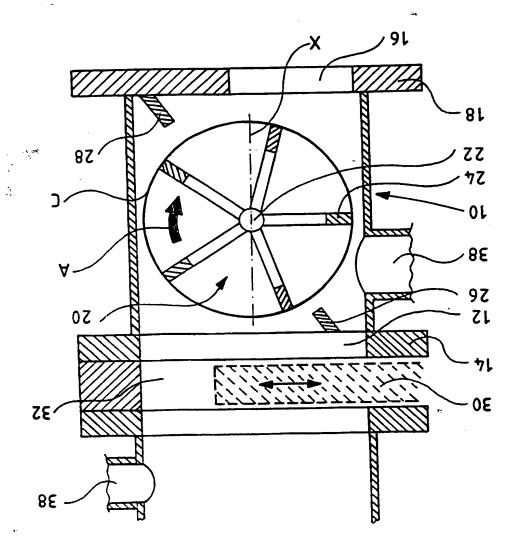
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| POSITION                  | INITIALS | ID NO. | DATE     |
|---------------------------|----------|--------|----------|
|                           |          |        |          |
| FEE DETERMINATION         |          |        |          |
| O.I.P.E. CLASSIFIER       |          |        |          |
| FORMALITY REVIEW          | A-5      | 947    | 12-13-1  |
| RESPONSE FORMALITY REVIEW | 72       | 36947  | 10/ES120 |
|                           |          |        |          |

## INDEX OF CLAIMS

| V | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | 1 | Interference |
|   | (Through numeral) Canceled | Α | Appeal       |
|   | Restricted                 | 0 | Objected     |

| ſ   | Clai     | im       | 1            | Date   |              |               |              |  |          |          | 1  | Claim Date    |     |          |               |         |  |          |  | ٦            | Claim Date |          |          |          |          |          |         |           |              |              |          |  |  |  |              |
|-----|----------|----------|--------------|--|--------------|---------------|--------------|--|----------|----------|--|---------------|-----|----------|---------------|---------|--|----------|--|--------------|------------|----------|----------|----------|----------|----------|---------|-----------|--------------|--------------|----------|--|--|--|--------------|
| ł   |          |          | <del> </del> | a  | 2            | 4             |              | _  |          |          |  | _             | 1   |          | - 1           | a       | 12   | 140      | Ē  | -            | Т          | Т        | $\top$   | 7        | -        |          | Т.      | П         |              |              |          |  | Т  | Т  | ᅥ            |
| - 1 | . [      | Original | 152          | 9 56   | 3            | $r_{\perp}$   |              |  |          | İ        |  |               | ł   | _        | Original      | 12      | d  | 11       |  | ĺ            |            | ŀ        |          | 1        | _        | Original |         |           |              |              | ıl       |  | ı  | - 1  | - 1          |
|     | Final.   | 츟        | 3            | 流  | 7            | "             |              |  |          |          |  |               | İ   | Final    | 5 C           | , 2     | 1  | 144      |  |              |            |          |          | 1        | Final    | 윈        | ł       |           |              |              | 1 1      |  |  | -  | - 1          |
| L   | Œ        |          | ρV           | .,   | 0            | 07            | L            |  |          | <u>_</u> |  |               | 1   | <u> </u> | οp.           | 704     | 12   | 0        | Ш  |              |            | -        | -        | 4        | 1        |          | +       | ┼         | ⊢            | $\vdash$     | $\vdash$ | $\vdash$   | -  | 4  | 긕            |
| - [ |          |          | }-           |  | -            |               | -            | -  |          |          | -  |               | _   |          | 5N_           | 1_      | -  |          |  |              |            | _        | $\perp$  |          | -        | 101      | ┸       | ╄         | <u> </u>     | $\sqcup$     | Ш        | Щ  | _  | _  | _            |
| ı   |          | Ħ        | T            |  |              |               |              |  |          |          |  |               | 1   |          | 52 /          | 1,      | 1/   |          |  |              |            | $\perp$  |          | ╛        | L        | 102      | 1       |           |              | $oxed{oxed}$ |          |  |  | _1   | - 1          |
| ı   | ヿ        | В        | 1            | Г  | $\vdash$     |               |              | П  |          | Г        | П  |               | 1   |          | 53 -          | 17      | 7  |          |  |              |            | Т        |          | 7        |          | 103      |         | T         |              |              |          |  | П  | Т  |              |
| - 1 |          | -11      | ╁╌           | ⊢  | ┢            | H             | $\vdash$     | Н  | -        | ┝        | -  | ⊢             | 1   |          | 54            | +-      | +  |          | Н  |              | _          | 7        |          | ٦.       | $\vdash$ | 104      | 1       |           | $\vdash$     | П            | $\Box$   |  | $\dashv$   | 7  | ᅥ            |
| - 1 | -        | H        | ╁╌           | ⊢  | ⊢            | H             | -            | Н  | _        | ┝        | ┢╌   | ⊢             | ł   | $\vdash$ | 55            | +       | ╁╴   | $\vdash$ | Н  | _            | _          | -        | _        | ٦.       |          | 105      | 1-      | 1         | <b>†</b>     |              | $\Box$   |  | $\neg$   | 7  | ヿ            |
|     |          | B        |              | ⊢  | ⊢            | ├             | -            | -  | Ļ        | ⊢        | -  | ├             | 1   | ⊢        |               | ╁┈      | ╁╌   | -        | Н  | -            | $\dashv$   | +        | -+       | 4        | $\vdash$ | 106      | +-      | +-        | ╁╌           | Н            | М        | $\vdash$   | $\dashv$   | +  | 긕            |
|     |          |          | <u> </u>     | <u> </u>   | L            | _             | L_           |  | _        | L        | 1  | L.            | 1   | _        | 56            | ╄       | ┡-   | -        | $\vdash$   |              |            | -        |          | 4        | -        |          | +-      | ╁         |              | Н            | $\vdash$ | -1   | -  | -  | ᅴ            |
|     |          | Ħ        | 1_           | [  | <u> </u>     | 1             |              |  |          | L        | L  |               | 1   | L.       | 57            | $\perp$ | ┺  |          |  | _            |            | 4        | _        | 4        | <u>_</u> | 107      | ┸       | ╄         | L.,          | -            | $\vdash$ |  | _  |  | ᅴ            |
|     |          | Ħ        | 1            |  |              |               | Γ            |  | Γ:       | ļ        |  | l             | ]   | L        | 58            |         |  | L        |  |              | $\perp$    | $\perp$  |          | _        | L        | 108      | ┸       | L         | Ш            | Ш            | Ш        |  | _  | ᆚ  | _            |
|     |          | ij       |              |  |              |               |              |  |          |          | Г  | Г             | 1   |          | 59            | T       | Т  |          |  |              | J          | - 1      | - 1      | 1        |          | 109      |         |           |              |              | Ш        |  | _1   | 丄  | لــا         |
|     | $\dashv$ | 1        | +            | ٠.   | -            | ┢             | $\vdash$     |  | $\vdash$ | $\vdash$ |  |               | 1   |          | 60            | T       | T  | Г        |  |              |            | П        |          | 7        |          | 110      | Т       |           | Γ            |              | П        |  | П  | П  | П            |
|     | $\dashv$ | 4        | -            | ┼  | ├-           | -             | ┢            | -  | -        | ┝┶       | ╀╌   | -             | 1   |          | 61            | +-      | +-   | -        | П  |              | $\dashv$   | ┪        | 一十       | 7        |          | 111      | 1       | 1         | 1            | П            | П        | П  | $\neg$   | ↰  | П            |
| 1   |          | ¥        | γ.           | ├-   | ├-           | ⊢             | <del> </del> | <b>!</b> —                                       | ┝        | -        | ⊢  | ⊢             | ┨   | H        | 62            | ╫       | ╁  | -        | Н  | -            | +          | $\dashv$ | -+       | -        | -        | 112      | +       | +-        | <del> </del> | Н            | М        | Н  | _  | ┪  | $\dashv$     |
|     | $\sqcup$ | 12       | ↓_           | <u> </u>   | $\vdash$     | <b>!</b>      | ┞-           | <b> </b> _                                       | <u> </u> | ┡        | ┞  | <u> </u>      | 1   | ⊢        |               | +       | ╀  | _        | Н  |              |            | +        | +        | ┨        | $\vdash$ | 113      | +       | +         | ┼            | $\vdash$     | Н        | $\vdash$   | -+   | $\dashv$   | $\dashv$     |
| - 1 |          | 1        | 1            |  | L            |               | L            | L  | L        | ota      | L.   |               | 1   | $\vdash$ | 63            | 4       | ╄  | <b>_</b> | Щ  | $\sqcup$     | _          | 4        | -        | 4        | -        | —        |         | +         | 1            | $\vdash$     | Н        | Н  | $\dashv$   |  | $\dashv$     |
|     |          | 1        | 1            | 1  |              | L             | L            | L  | L        | L        | L  | L             | J   |          | 64            |         |  |          | Ш  |              | _          | _        | _        | 4        |          | 114      | $\perp$ | 1         | <b>L</b>     | ╙            | Ш        | Ш  | _  | _  | $\mathbf{H}$ |
| J   | $\neg$   | 18       | Τ            |  | Π            |               |              |  |          | Γ        | Π  |               | 1   |          | 65            |         | Ι  | L        |  |              |            |          | _L       |          | L        | 115      |         | ┖         | L            |              | Ш        | Ш  | ٺ  |  |              |
|     | $\dashv$ | 1        | 1            | 1  | t            | 1             | 1            | T  | 1        | T        | Г  |               | 1 . |          | 66            | T       | Т  | Π        | П  |              | . 1        | $\neg$   | T        | 7        |          | 116      |         |           |              |              |          |  | ͺͺͳ  | 1  |              |
|     | -        | 15       | +-           | +-   | ╁            | +-            | -            | H  | -        | $\vdash$ | <del>                                     </del> | Н             | 1   |          | 67            | +       | T  |          | М  | $\dashv$     | _          | 7        | _        | ٦        |          | 117      | $\top$  | T         |              | Г            |          |  | T  | $\neg$   |              |
|     | -        | 1        | $\vdash$     | -  | ├            | $\vdash$      | $\vdash$     | <del> </del>                                     | $\vdash$ | -        | $\vdash$   | -             | ł   |          | 68            | +       | +-   | $\vdash$ | Н  | -            | -          | -+       | +        | ٦        | $\vdash$ | 118      | $\top$  | †         | t            | П            | П        |  | $\neg$   | _  | П            |
|     |          | ŧ        | 1            | ļ  | ┡            | ļ             | ┞            | ┞  | <u> </u> | ┝        | -  | ļ.,           | 4   | ├        | _             | +-      | ╫  | ┼        | $\vdash$   | $\dashv$     | -          | $\dashv$ | $\dashv$ | ┥        | -        | 119      | +-      | +-        | ╁            | -            | Н        | Н  | $\vdash$   | 一  | П            |
|     |          | ł        |              |  | L            | L             | L            | <u></u>  | _        |          | <u> </u>   |               | j   | L        | 69            | 4       | ╄  | 1_       | _  | $\Box$       |            | -        |          | 4        | <b> </b> |          | +-      | +-        | ╄            | ╁            | ₩        | Н  |  | $\dashv$   | Н            |
|     |          | 4        |              |  |              |               | ļ            |  |          | l        | l  | 1             |     |          | 70            |         |  | 1        | 1  |              |            |          |          |          | L_       | 120      |         | <u>L.</u> | 1            | ┖            | Ш        | Ш  |  |  | Ш            |
|     |          | å        | +            | <del>                                     </del> | ┢            | Ι-            |              | 1  |          | 1        | Г  | T             | 1   |          | 71            | T       |  | П        |  |              |            |          |          | 7        | Г        | 121      |         | Γ         | I            |              |          |  | Ш  |  |              |
|     |          | Ŧ        | +            | ╁╌   | ┢            | ╫             | <del> </del> | Η-   | -        | 1        | H  | ╁             | 1   |          | 72            | +       | <del>                                     </del> | T        | <del>                                     </del> |              |            | 7        |          | 7        | $\vdash$ | 122      | Т       | Т         | П            |              | $\Box$   |  | П  |  |              |
|     |          | ŧ        | +            | -  | ╁            | ┼             | ┼─           | ╁  | ├        | ┝        | ⊢  | ┢             | ┨.  | $\vdash$ | 73            | +       | +-   | $\vdash$ | -  | $\vdash$     | $\vdash$   | -+       | 十        | ┪        | 1        | 123      | $\top$  | †         | $\top$       | Г            | П        | П  | П  |  | П            |
| 2   |          |          |              | ١,   | ١.           | ╀.            | ⊢            | ╀  | ⊢        | ⊢        | ├  | <del>  </del> | 4   | ⊢        | 74            | +-      | +  | +        | $\vdash$   | Н            | $\vdash$   | +        | -+       | -        | $\vdash$ | 124      |         | +         | 1            | $t^{-}$      |          | $\vdash$   |  | $\Box$   | П            |
| ٠.  | Ш        | 24       | 14           | 1  | K            | u             | <b>L</b>     | ↓_   | ┡        | ļ.       | ┞  | ١.            |     | -        |               | +-      | ╄  | ╄        |  | Н            |            | -+       | +        | -        | $\vdash$ |          | +       | ╁╴        | +            | ┼─           | ۲        | <del>i</del>                                     | М  | М  | Н            |
| . ' |          | 25       |              | Z  | L            | /             | 1_           | L  | _        | L        | <u> </u>   | L             | 1 - | Ļ        | 75            | ╀-      | ╄-   | ╄        | L  | H            | -          | _        | -+       | -1       | -        | 125      |         | ╀         | -            | ╀            | ├        | H  | Н  | Н  | Н            |
|     |          | 26       |              | 1  | 4            |               | <u> </u>     | <u> </u>   |          | į        | ۳.   | L             | j   | L        | 76            | ┸       | 1_   | <u> </u> |  | Ш            | Ш          | 4        | _        | -1       | $\vdash$ | 126      | 4.      | 4-        | ╄.           | ↓            | ▙        | -  | Н  | Ы  | Н            |
|     |          | 27       | 1/           | 7  | 1            | $\overline{}$ | Ī            | 1  |          | T        |  |               |     |          | 77            |         | 1_   | 1_       | <u> </u>   |              |            |          |          | ┙        | _        | 127      |         | 丄         | 上            | 丄            | ↓_       | <u> </u>   | Ш  | Ш  | Н            |
|     |          | 28       | 17           | 17   | 1            | 1             | 1            |  | Г        |          |  | Г             | 1   | Г        | 78            | Т       |  | Г        | Γ  |              | Γ" [       |          |          | 1        | 1        | 128      | _1_     | Ţ,        | 1_           | 上            | <u></u>  | L  |  |  | Ц            |
|     | Н        | 29       |              | <b>ł</b> フ                                       | 17           | 17            | 1            | 1  | 1        | T        | ſ-   | 1             | 1   | $\Box$   | 79            | Τ       | 1  |          | П  |              | П          | П        |          | 7        |          | 129      | Ī       | T         | 1            | 1            | i _      | 1  |  | L  |              |
|     | Н        | 30       | <u></u>      | 1  | 1            | ۲             | ╁╌           | +  | $\vdash$ | +        | ╁╌   | +-            | 1   | _        | 80            | $\top$  | 1  | †        | <b>—</b>   |              | П          | ┪        |          | 7        |          | 130      | $\top$  | Τ         | $\top$       | П            | Г        | Г  |  |  |              |
|     | $\vdash$ |          | <u> </u>     | *  | 1            | ¥,            | ╅╌           | ╁╾   | ╫        | ┼-       | ╁╌   | ╀╌            | ┥   | $\vdash$ | 81            | +       | ╅  | +-       | ╁  |              | $\vdash$   | -        | -        | -        | -        | 131      | +-      | +         | $\top$       | 1            | ✝        |  | П  | П  | П            |
|     |          | 3        |              | X  | 1            | ₩             | ╁            | ╄  | 1        | ⊬        | ┼  | ├-            | 4   | $\vdash$ | $\rightarrow$ | +-      | +-   | ╫        | ┼  | ⊢            | ┥          | ┥        | $\dashv$ | -        | -        | 132      |         | 十         | +-           | +            | ╁╴       | <del>                                     </del> | Н  | Г  | П            |
|     |          | 3        | 42           | 14   | 12           | 1∠            | 1            | ļ.,  | ļ        | ↓_       | ↓_   | ╄             | 4   | ╙        | 82            | +       | 4  | +-       | -  | $\vdash$     | ┝┈┤        |          | +        |          | $\vdash$ |          | +       | ┿         | +-           | ╆            | ╁╌╴      | ╁  | Н  | ┝┈┤  | $\vdash$     |
|     |          | 3        | 3 2          | <u>1!</u>  |              | <u>L</u>      | L.,          | Ь.   | <u> </u> | 1_       | _  | L             | 1   |          | 83            |         | _  | ↓_       | <u> </u>   |              | $\square$  | _        | $\perp$  | 4        | <u> </u> | 133      | 4       | +-        | 1            | <del> </del> | ┼-       | ╀  | ⊣  | $\vdash$   | H            |
|     | Г        | 34       | <b>打</b>     | 1  | 1/           | 1/            | 1            |  |          | 1        | 1  |               |     | L        | 84            | _       | L  | 1_       | 1_   |              |            | $\Box$   |          |          |          | 134      | $\bot$  |           | _            | 丄            | ᄂ        | ↓_   | ┦  | ╙  | ├-           |
|     |          | 3        | 5 /          |  | 1ン           | 17            | 1            | П  | Γ        |          |  |               | 1   |          | 85            |         |  | $L^{-}$  |  | L            | L]         |          |          |          | L        | 135      |         | $\perp$   | 丄            | L            | $\perp$  | 1_   | ╙  | ⊢  | ├-           |
|     | Г        | 30       |              | 1  | セ            | 15            | 1            | T  | Т        | $\top$   | T  | 1             | 7   | Г        | 86            | T       | T  | T        | Π  |              | П          |          | T        | 7        |          | 136      | Ŧ.      |           |              | L            | L        | L_   | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |  | L            |
|     | -        | (3       |              | 1  | +            | $\mathcal{F}$ | ナー           | T  | T        | †        | 十  | T             | 1   |          | 87            | +       | +  | 1        | 1  | ľ            | П          |          | $\sqcap$ | 7        |          | 137      | 丁       | T         | T            | Т            | Γ        | Γ  |  | Ľ  | L            |
|     | <b>-</b> | ×        | ~            | 尸  | <del>/</del> | ┲             | +            | +-   | +        | ╁╌       | +  | +             | 1   | $\vdash$ | 88            | +       | +  | +-       | +-   | Η-           | Н          |          | $\vdash$ | $\dashv$ |          | 138      | +       | +         | 1            | T            | Т        | Т  | Г  | Τ.   | Γ            |
|     | <u> </u> | 9        | 4            | 1  | 1            | ╀             | +            | +-   | ┾        | ╁        | ╀  | ╀             | -   | $\vdash$ | 89            | +       | +  | +-       | +-   | +-           | Н          | $\vdash$ | $\vdash$ | $\dashv$ | $\vdash$ | 139      |         | +         | ╁╴           | +-           | +        | <del>†</del>                                     | М  | ۳  | Г            |
|     | $\vdash$ | Q        | Ц.           | ×  | <u> </u>     | ┺             | 1            | $\perp$  |          | +        | ╁  | ╄             | 4   | $\vdash$ |               | +       | +  | +        | ┼  | ┼            | $\vdash$   | $\dashv$ | H        | $\dashv$ | $\vdash$ | +-+      | -       | +         | ╁            | +-           | +-       | +-   | $\vdash$   | <del>                                     </del> | $\vdash$     |
|     | 1        | 4        | ٧            | $\mathbf{V}$                                     | 1/           | 1/            | 4            |  | _        | L        | L  |               | _   |          | 90            | ⊥.      | ↓_   | 1_       | ╄  | $oxed{oxed}$ |            | Ш        | $\sqcup$ | _        | <u>_</u> | 140      | _ _     | 4         | 4            | 4            | +        | ╀  | <b>├</b> -   | ⊬−   | ╁╌           |
|     |          | 4        | 10           |  | 1            | 1             | 1            |  |          | Γ        |  |               |     |          | 91            |         |  | 1        |  |              |            |          |          |          | 1        | 141      |         |           | $\perp$      | $\perp$      | $\perp$  | <u> </u>   | L  | <del> </del> _                                   | ↓_           |
|     | $\vdash$ | 4:       |              | セ  | *            | 1             | #            | <del>                                     </del> | T        | $\top$   | T  | 1             | 1   |          | 92            | 丅       | Т  | 1        |  |              |            |          | П        |          |          | 142      | $\top$  | Т         | Т            | T            | I        |  | L  | L  | L            |
|     | $\vdash$ |          | 3            | 1  | $\not\vdash$ | +             | +            | +  | +-       | +        | +  | +             | ┪   | $\vdash$ | 93            | +       | $\top$   | T        | T  | t            | П          |          | H        |          |          | 143      | $\top$  | 1         | T            | T            | 1        | Τ  | Γ  |  | _            |
|     | -        | _        | _            | +  | 1            | 4             | +            | +  | ╀        | +-       | +  | +-            | ┨   | $\vdash$ | 94            | +       | ╁  | +        | +  | 1            | $\vdash$   | Н        | $\vdash$ | $\dashv$ | $\vdash$ | 144      | +       | +         | +-           | +-           | T        | 1  | Т  | Γ  | Γ            |
|     | <u></u>  | 4        |              | 1  | 44           | 1             | 1            | +  | +-       | 4-       | +  | ╁             | -   | $\vdash$ |               | +       | +  | +-       | +-   | -            | $\vdash$   | $\vdash$ | $\vdash$ | $\dashv$ | $\vdash$ | 145      |         | ╁         | +            | +            | +        | +  | +  | $t^{-}$  | Т            |
|     | $\vdash$ | 4        | _            |  | 12           | 4             | 1            | 1  | 4        | 4        | 4  | +             | 4   | <b></b>  | 95            | 4       | +  | +        | +  | +-           | -          | Щ        | $\vdash$ |          | $\vdash$ | +        | +       | +         | +            | +            | +-       | ╁╌   | +  | +  | +            |
|     | 1        | 4        | 6 /          | 1  | 1/           | 1/            | 1            |  | L        | ┸        | Т.   | 1             | ┙   | $\perp$  | 96            | $\perp$ | 1  | 1        | 4  | $\perp$      | <u> </u>   | Ь.       | $\sqcup$ | _        | $\perp$  | 146      |         | <u></u>   | 4-           | 4-           | +        | +-   | ╀  | ┰  | +            |
|     | Γ        | 4        | 7            | 1  | 17           | 17            | 1            | 1  | 1        | 1        |  | 1             | ╛   | L        | 97            |         | $\perp$  | $\perp$  | $\perp$  | L            |            |          | Ш        |          | L        | 147      |         | ┸         | ┸            | $\perp$      | 4        | 1  | ╁  | ₩  |              |
|     | $\vdash$ | 4        |              | 1  | 77           | 77            | 7            |  | Τ        |          | Т  | 1             | 7   | Г        | 98            | Т       | J  | $\perp$  | $\perp$  | $L^-$        | L          |          | LĴ       | ╝        |          | 148      | [       | ſ         |              |              | $\perp$  | $\perp$  | 1  | ┺  |              |
|     | $\vdash$ | 4        | ÷            | 4  | 1            | <b>ボ</b>      | 1            | 1  | T        | Т        | T  | T             | 1   | Г        | 99            | T       | T  | T        | Τ  | Г            | Г          |          | П        | ٦        |          | 149      | T       | Т         | T            | T            |          |  | L  | 丄  | 1            |
|     | -        | 5        |              | K  | +            | Ж             | 4            | +  | T        | 十        | T  | $^{\dagger}$  | 1   |          | 100           | $\top$  | $\top$   | 1        | $\top$   | T            | Π          |          | $\Box$   | ╗        |          | 150      | $\top$  | $\top$    | T            | T            | Γ        | $\mathbf{L}$                                     | Ĺ  | L  | 丄            |
|     | Щ.       | 13       | <u> </u>     | -1/  | 1,/          |               |              | -  |          |          |  | •             |     | _        |               |         |  |          |  | •            |            |          |          |          | -        |          |         |           | _            |              |          |  |  |  |              |
|     |          |          |              |  |              |               |              |  |          |          |  |               |     |          |               |         |  |          |  |              |            |          | •        |          |          |          |         |           |              |              |          |  |  |  |              |

If more than 150 claims or 10 actions staple additional sheet here